

Table 1 to § 3175.80: Standards for Flange-Tapped Orifice Plates

Standards for Flange-Tapped Orifice Plates						
Subject	Reference (API standards incorporated by reference, see § 3175.30)	VL	L	H	VH	
Fluid conditions	API 14.3.1, Subsection 4.1	n/a	x	x	x	
Orifice plate construction and condition	API 14.3.2, Section 4	x	x	x	x	
Orifice plate eccentricity and perpendicularity ²	API 14.3.2, Subsection 6.2	n/a	x	x	x	
Beta ratio range	Paragraph (a) of this section	n/a	x	x	x	
Minimum orifice size	§ 3175.80(b)	n/a	n/a	x	x	
New FMP orifice plate inspection ¹	§ 3175.80(c)	n/a	x	x	x	
Routine orifice plate inspection frequency, in months ¹	§ 3175.80(d)	12	6	3	1	
Documentation of orifice plate inspection	§ 3175.80(e)	x	x	x	x	
Meter tube construction and condition ²	§ 3175.80(f)	n/a	x	x	x	
Flow conditioners including 19-tube bundles	§ 3175.80(g)	n/a	x	x	x	
Basic meter tube inspection frequency, in years ¹	§ 3175.80(h)	n/a	5	2	1	
Detailed meter tube inspection ¹	§ 3175.80(i)	n/a	x	x	x	
Documentation of detailed meter tube inspection	§ 3175.80(j)	n/a	n/a	x	x	
Meter tube length ²	§ 3175.80(k)	n/a	x	x	x	
Thermometer wells	§ 3175.80(l)	n/a	x	x	x	
Sample probe location	§ 3175.80(m)	n/a	x	x	x	

VL=Very-low-volume FMP; L=Low-volume FMP; H=High-volume FMP; VH=Very-high-volume FMP

¹ = Immediate assessment for non-compliance under § 3175.150

² = Applies to all very-high-volume FMPs and meter tubes installed at low- and high-volume FMPs after January 17, 2017. See § 3175.61 for requirements pertaining to meter tubes installed at low- and high-volume FMPs before January 17, 2017.